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TI Manufacture of softened **cellulose fiber**-based products
and softening compositions

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CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)

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	AU 9722744	A1	19970910	AU 1997-22744	19970218
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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AB A process and compn. for softening **cellulose fibers** for the manuf. of softened **cellulose fiber**-based products such as paper towels, facial tissue, sanitary tissues, toilet tissues, nonwoven fabrics and fluff pulp, and the products made by said process are disclosed. The process maintains a high level of wet strength in the finished paper product contg. suitable wet strength additives, as measured by the wet tensile strength of the dry web. The process includes treating **cellulose fiber** with chem. softening compn. comprising phospholipids, a nonionic **surfactant** and, optionally, a lubricant. The phospholipids include phosphatidylcholine (lecithin), hydroxylated phosphatidylcholine, phosphatidylethanolamine, hydroxylated phosphatidylethanolamine, phosphatidylserine, hydroxylated phosphatidylserine, phosphatidylinositol and hydroxylated phosphatidylinositol.

ST tissue paper softener phospholipid **surfactant** compn; towel paper softener phospholipid **surfactant**; facial tissue softener phospholipid **surfactant**; nonwoven softener phospholipid **surfactant** compn; sanitary tissue softener phospholipid